

WHAT IS CLAIMED IS:

1/ A household electrical appliance comprising firstly a support and secondly a waffle-iron device which comprises a top panel and a bottom panel hinged to each other by a hinge to move between an open position and a closed position, the device being pivotally mounted on the support about a pivot axis to move between at least a working angular position in which an axis of the hinge is oriented horizontally, the top panel being above the bottom panel, and an upside-down second angular position in which the axis of the hinge is oriented horizontally, the top panel being beneath the bottom panel, the appliance further comprising a releasable locking device acting on the relative movement between the top and bottom panels to allow the top panel to move freely relative to the bottom panel when the device is in its working position, and to lock the top panel in its closed position relative to the bottom panel when the device is in its upside-down position.

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2/ A household electrical appliance according to claim 1, wherein:

- the support comprises first and second stands projecting up from a bottom plate and on which the waffle-iron device is pivotally mounted at two opposite ends;
- the waffle-iron device has a single handle situated at the end of an arm connected to the top panel and extending from one end only thereof, remote from said hinge, said arm extending towards the second stand when the device is in the working position or in the upside-down position in order to rest thereon in both said positions; and
- the releasable locking device engages said arm in said upside-down position and disengages from it in the working position, then allowing the top panel and the bottom panel to hinge freely about said hinge.

3/ A household electrical appliance according to claim 2,
wherein the bottom panel is connected to an arm extending
along the arm connected to the top panel both in the
5 working position and in the upside-down position of the
waffle-iron device, said arm bearing in both said
positions on the second stand at a pivot zone.

4/ A household electrical appliance according to claim 1,
10 wherein the locking device has a bearing formed on said
support to receive an arm connected to the bottom panel
and rotatably supporting a pivot having a slot in which a
portion of a handle connected to the top panel engages.

15 5/ A household electrical appliance according to claim 1,
wherein the locking device comprises a locking element
secured to the top panel, comprises a pivot secured to
the bottom panel, extending along the pivot axis remotely
from the hinge, and including a housing adapted to
20 receive the locking element when the two panels are in
the closed position, and comprises a bearing carried by
the support in which the pivot is pivotally mounted,
shaped in such a manner as to prevent the panels from
opening when the device is in the upside-down position,
25 and including an opening which is disposed in such a
manner as to allow the locking element to pass in order
to allow the device to open and close when the device is
in its working position.

30 6/ A household electrical appliance according to claim 5,
wherein the opening extends over less than half a turn so
as to hold the locking element captive in the housing and
prevent the panels from opening when the device is in its
upside-down position.

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7/ A household electrical appliance according to claim 5,
wherein the locking element is a blade extending

perpendicularly to the axis of the hinge and along the pivot axis, connecting a handle to the top panel.

- 5 8/ A household electrical appliance according to claim 5, wherein the housing is a slot extending along the pivot axis and vertically when the device is in its working position, and of dimensions corresponding to those of the locking element.
- 10 9/ A household electrical appliance according to claim 5, wherein the opening is a groove extending along the pivot axis and vertically, extending the housing of the pivot when the device is in its working position, and of dimensions corresponding to those of the locking element.
- 15 10/ A household electrical appliance according to claim 5, wherein the bearing has a clamping tongue projecting from the bearing along the pivot axis away from the device, and disposed beneath the pivot.
- 20 11/ A household electrical appliance according to claim 5, wherein the pivot is connected to the bottom panel by a connection blade extending perpendicularly to the axis of the hinge and along the pivot axis.
- 25 12/ A household electrical appliance according to claim 1, wherein the device has a single handle which is secured to the top panel.
- 30 13/ A household electrical appliance according to claim 1, wherein the device has a second pivot beside the hinge which second pivot is held captive and pivotally mounted in a second bearing secured to the support.